Tasks during the next-few-weeks (by August 31)

NASPMON Kick off meeting

Josef Horálek

Prague+Reykjavík 2021

Timeline 2021

Years		2021											
Months		1	2	3	4	5	6	7	8	9	10	11	12
WP1	Project management				M1								
WP2	Data acquisition and data archiving		M1		M2								
WP3	Automatic data processing		M1	M2	M3			M4		M5		D1	
WP4	Seismic activity: Time and space analysis												
WP5	Earthquake Source Mechanisms and stress analysis												
WP6	Upper crusal seismic models												D1
WP7	Ground Motion Model												
WP8	Multi-disciplinary interpretation												

M1	Kick-off meeting in Prague during the 1st quater of 2021
M1	Seismic data archive and structure complete by March 2021
M2	REYKJANET data stations streaming in real time by April 2021.
M1	Set up QuakeMigrate test and tune by February 2021
M2	Set up Seiscomp for REYKJANET by March 2021
M3	Tune Seiscomp for REYKJANET by April 2021
M4	Tunning of detection algorithms (Seiscomp, SLRNN, QuakeMigrate, comparison of their performance by July 2021
M5	Implementation of the formula for routine local-magnitude estimation of by September 2021
D1	Deliver phase picks from all earthquakes in WP2 of ML > 1.25 by October 2021

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M5	Implementation of the formula for routine local-magnitude estimation of by September 2021
D1	Deliver phase picks from all earthquakes in WP2 of ML > 1.25 by October 2021
D1	Deliver 1D velocity model for Reykjanes Peninsula

Data acquisition, data archiving and technical issues

- Downloading of the REYKJANET data 12/2021- up to present days
- Re-measurement of station coordinates and elevation at each REYKJANET site
- Putting the last four stations, STH, ELB, HDV and GEI on-line (milestone WP2/M2)
- Streaming of the REYKJANET data to IG Praha
- Completion of the REYKJANES data archives in IG and ÍSOR (WP2/M1)
- Application for the IMO seismic-data access (stations SIL operated on the RP)
- Looking into possibility to get other seismic data (from permanent/temporary stations operated currently/in the past on PR)

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Data processing

- Implementation of the QuakeMigrate and SeisComp software in ÍSOR and its tuning for the REYKJANET data (WP3/M1. M2, M3)
- The QuakeMigrate, SeisComp and SLRNN (Artificial Neural Network) detection algorithms - comparison of their detection performance for RP local events (WP3/M4)
- Manual processing of the 2000-2021 Reykjanes events (IG team)

Starting/continuation of the time and space analysis the RP seismicity (WP4) as well as the source-mechanism and upper-crust seismic model studies (WP5 and WP6). The WP leaders should coordinate it.

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Non-scientific/administrative tasks

- **Data Management Plan** (DMP, in accordance with the Horizon Europe rules); obligatory - delivery to TACR by June 30. DMP will be prepared by IG and ÍSOR. Webinar on DMP was held on March 23, 2021, the video recording is available under Link `https://www.tacr.cz/en/kappa-programme-presentations-and-video-recording-of-the-webinar-on-ope`
- In accordance with the communication of the project proposal
  1. a special **webpage** of the NASPMON project has been established on the official website of the IG in English and Czech; `https://www.ig.cas.cz/en/naspmon-project-website/`. IG (Jana) has been responsible for providing up-to-date information on the project and for the maintenance of the webpage.
  2. a **twitter account** should be established throughout the project providing live updates of the project such as field work, conferences, achievement of deliverables, etc.

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